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L56 ANSWER 4 OF 4 WPIDS (C) 2002 THOMSON DERWENT
AN 1990-054100 [08] WPIDS
DNC C1990-023458
TI Organic cpd. crystal prepn. for e.g. (non-linear) optical purposes - by repeated cooling of soln. to temp. lower than that for satd. concn..
DC E19 L03
PA (TORA) TORAY IND INC
CYC 1
PI JP 02006399 A 19900110 (199008)* 6p <--
JP 07045359 B2 19950517 (199524) 7p <--
ADT JP 02006399 A JP 1988-299112 19881125; JP 07045359 B2 JP 1988-299112 19881125
FDT JP 07045359 B2 Based on JP 02006399
PRAI JP 1987-331440 19871225; JP 1988-299112 19881125
AN 1990-054100 [08] WPIDS
AB JP 02006399 A UPAB: 19930928
Crystals of an organic cpd. are prepd. from its soln., by repeated cooling of the soln. to a temp. lower than the temp. for satd. cooling concn. and then raising the temp. Pref. the cooling temp. is more than 50 deg.C lower than super-satg. temp. and the raising temp. is confined in the range above the super-satg. temp. but not more than 50 deg.C than that temp..

Typically a 2.5 g portion of 4'-nitrobenzylidene-3-acetyl amino-4-methoxyaniline (MNBA) was dissolved in 200 ml of acetone and crystallised according to a specified temp. profile. Columnar single crystals of about 3 mm width and 20 mm long were the largest obtd..

ADVANTAGE - Good quality for optical, nonlinear optical, electro-conductor, information and communications purposes can be obtd. with a desired size in bulk or as a thin film.

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L16 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
1990:524460 Document No. 113:124460 Growth of **organic crystals** from solutions. Goto, Tetsuya; Kondo, Toshiyuki; Tsunekawa, Tetsuya (Toray Industries, Inc., Japan). Jpn. Kokai Tokkyo Koho JP 02006399 A2 19900110 Heisei, 6 pp. (Japanese). CODEN: JKXXAF. APPLICATION: JP 1988-299112 19881125. PRIORITY: JP 1987-331440 19871225.

AB The title method comprises a step of repeated cooling and heating of the soln. to temps. lower and higher than its satn. temp., resp. A tetracyanoethylene-perylene complex was grown to 0.6 mm thickness and 4 .times. 5 mm in area from a mixed chloroform soln. of tetracyanoethylene and perylene by **temp. oscillation** between -5 and 5.degree..